

January 24, 2013

To: Hanna Assefa, Industrial Hygiene Consultant
Inactive Hazardous Sites Branch
Superfund Section

From: David Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
Superfund Section

Re: Health Risk Evaluation Request
Primrose Ave PCE Contamination (Willow Street Crawlspace & Subslab Air Study)
Mark T Chappell and Kelly S Chappell – 2828 WILLOW ST APT 2
2828 Willow St
Charlotte, Mecklenburg County
IHSI ID# NONCD0002912

A health risk evaluation is requested for the subject property. A subslab air sample and a duplicate were collected from the subject property on January 15, 2013. The table below lists detected contaminants and concentrations.

Sample ID	Compound	Concentration µg/m³	Acceptable Soil- gas Concentration (Csg) µg/m³ Residential
2828 WILLOW ST APT 2	Benzene	3.8	31.0
	Carbon tetrachloride	0.38	41.0
	Chloroform	0.63	11.0
	Chloromethane	1.3	188
	Tetrachloroethylene	6.6	83.4
	Trichloroethylene	0.23	4.20
	Vinyl chloride	0.11	16.0
DUPLICATE 1	Benzene	2.7	31.0
	Carbon tetrachloride	0.39	41.0
	Chloroform	0.48	11.0
	Chloromethane	1.1	188
	Tetrachloroethylene	4.1	83.4
	Trichloroethylene	0.16	4.20
	Vinyl chloride	0.082	16.0

→ within one order of magnitude of the screening concentrations

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Re: Health Risk Evaluation Request
Primrose Ave PCE Contamination (Willow Street Crawlspace & Subslab Air Study)
Budig Realty LLC – 2310 OLD STEEL CREEK
2310 Old Steele Creek Rd
Charlotte, Mecklenburg County
IHSI ID# NONCD0002912

A health risk evaluation is requested for the subject property. A subslab air sample was collected from the subject property on January 15 and 16, 2013. The table below lists detected contaminants and concentrations.

Sample ID	Compound	Concentration $\mu\text{g}/\text{m}^3$	Acceptable Soil-gas Concentration (Csg) $\mu\text{g}/\text{m}^3$ Residential
2310 OLD STEEL CREEK	Benzene	0.89	31.0
	Carbon tetrachloride	0.29	41.0
	Chloroform	0.21	11.0
	Chloromethane	0.39	188
	Tetrachloroethylene	23.	83.4

within one order of magnitude of the screening concentrations

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From: David Ramey, Hydrogeologist
Inactive Hazardous Sites Branch
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Re: Health Risk Evaluation Request
Primrose Ave PCE Contamination (Willow Street CrawlSpace & Subslab Air Study)
SFH Financial LLC – 2835 WILLOW APT 1
2835 Willow St, Apt 1
Charlotte, Mecklenburg County
IHSI ID# NONCD0002912

A health risk evaluation is requested for the subject property. A crawl space air sample was collected from the subject property on January 15 and 16, 2013. The table below lists detected contaminants and concentrations.

Sample ID	Compound	Concentration $\mu\text{g}/\text{m}^3$	Acceptable Indoor Air Concentration (Cia) $\mu\text{g}/\text{m}^3$ Residential	BACKGROUND $\mu\text{g}/\text{m}^3$	Possible Explanation for Observed Concentration (See note below table)
2835 WILLOW APT 1	Benzene	0.45	0.310	0.80	*
	Carbon tetrachloride	0.44	0.410	0.48	*
	Chloroform	0.11	0.110	< 0.097	
	Chloromethane	0.62	19.0	1.1	*
	Tetrachloroethylene	0.23	8.30	0.43	*

Bold Concentrations exceed Acceptable Indoor Air Concentration (Cia) $\mu\text{g}/\text{m}^3$ Residential.

* = The presence of this Compound in the crawl space air sample is believed to be a result of BACKGROUND conditions as measured in the BACKGROUND air sample.

*see also
the end
of*

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Inactive Hazardous Sites Branch
Superfund Section

Re: Health Risk Evaluation Request
Primrose Ave PCE Contamination (Willow Street Crawlspace & Subslab Air Study)
SFH Financial LLC – 2835 WILLOW APT 2
2835 Willow St, Apt 2
Charlotte, Mecklenburg County
IHSI ID# NONCD0002912

A health risk evaluation is requested for the subject property. A crawlspace air sample was collected from the subject property on January 15 and 16, 2013. The table below lists detected contaminants and concentrations.

Sample ID	Compound	Concentration µg/m ³	Acceptable Indoor Air Concentration (Cia) µg/m ³ Residential	BACKGROUND µg/m ³	Possible Explanation for Observed Concentration (See note below table)
2835 WILLOW APT 2	Benzene	0.64	0.310	0.80	*
	Carbon tetrachloride	0.54	0.410	0.48	*
	Chloromethane	0.74	19.0	1.1	*
	Tetrachloroethylene	0.30	8.30	0.43	*

Bold Concentrations exceed Acceptable Indoor Air Concentration (Cia) µg/m³ Residential.

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From: David Ramey, Hydrogeologist
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Re: Health Risk Evaluation Request
Primrose Ave PCE Contamination (Willow Street Crawlspace & Subslab Air Study)
Billy Dinkins and Roberta Dinkins – 2848 WILLOW ST
2848 Willow St
Charlotte, Mecklenburg County
IHSI ID# NONCD0002912

A health risk evaluation is requested for the subject property. A crawlspace air sample and a duplicate were collected from the subject property on January 15 and 16, 2013. The table below lists detected contaminants and concentrations.

Sample ID	Compound	Concentration $\mu\text{g}/\text{m}^3$	Acceptable Indoor Air Concentration (Cia) $\mu\text{g}/\text{m}^3$ Residential	BACKGROUND $\mu\text{g}/\text{m}^3$	Possible Explanation for Observed Concentration (See note below table)
2848 WILLOW ST	Benzene	0.51	0.310	0.80	*
	Carbon tetrachloride	0.47	0.410	0.48	*
DUPLICATE 2	Chloromethane	0.64	19.0	1.1	*
	Tetrachloroethylene	0.26	8.30	0.43	*
DUPLICATE 2	Benzene	0.48	0.310	0.80	*
	Carbon tetrachloride	0.46	0.410	0.48	*
	Chloromethane	0.62	19.0	1.1	*
	Tetrachloroethylene	0.23	8.30	0.43	*

Bold Concentrations exceed Acceptable Indoor Air Concentration (Cia) $\mu\text{g}/\text{m}^3$ Residential.

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Re: Health Risk Evaluation Request
Primrose Ave PCE Contamination (Willow Street Crawlspace & Subslab Air Study)
APIV Enterprises LLC – 2852 WILLOW ST
2852 Willow St
Charlotte, Mecklenburg County
HSI ID# NONCD0002912

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Sample ID	Compound	Concentration $\mu\text{g}/\text{m}^3$	Acceptable Indoor Air Concentration (Cia) $\mu\text{g}/\text{m}^3$ Residential	BACKGROUND $\mu\text{g}/\text{m}^3$	Possible Explanation for Observed Concentration (See note below table)
2852 WILLOW ST	Benzene	0.64	0.310	0.80	*
	Carbon tetrachloride	0.54	0.410	0.48	*
	Chloromethane	0.64	19.0	1.1	*
	Tetrachloroethylene	0.23	8.30	0.43	*

Bold Concentrations exceed Acceptable Indoor Air Concentration (Cia) $\mu\text{g}/\text{m}^3$ Residential.

* = The presence of this Compound in the crawlspace air sample is believed to be a result of BACKGROUND conditions as measured in the BACKGROUND air sample.

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